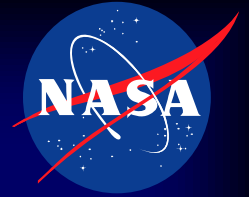


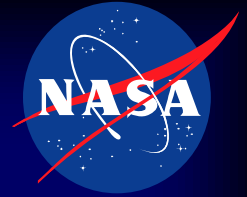
# Stennis Space Center

Robotics Alliance Project



# SSC Overview

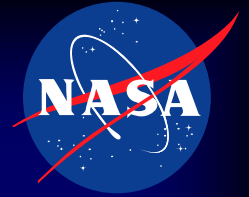
- FIRST® LEGO League: Mississippi Championship Tournament, Team Support, Mentoring, Workshops
- FIRST® Robotics Competition: Bayou Regional, Championships – Judging, Team Support, NASA Booth, Mentoring, Team Grants, Machine Shop, Workshops
- Sea Perch – Partnership with Naval Research Laboratory, Student Demos, Teacher Workshops
- Astro Camp –Robotics Activities, 2-3 days of robotics for 13-15 year olds, 1 day for 7-12 year-olds
- Summer of Innovation – 6 FRC teams are hosting robotics camps, SSC focus on robotics and rocketry
- Year-round teacher workshops



## Why do we do this?

- Only rarely does some exceptional event lead people to reorganize their intellectual self-image in such a way as to open up new perspectives. -Seymour Papert



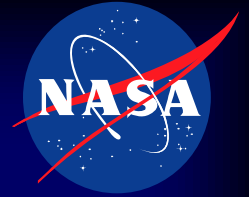


# 21<sup>st</sup> Century Workforce Skills

- Problem Solving
- Critical Thinking
- Communication Skills
- Flexibility / Adaptability

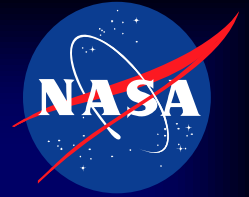
## Supporting Literature

- Rising Above the Gathering Storm
- The World is Flat – Thomas Freidman
- PCAST (President's Council on Advisors in Science and Technology)



# Why SSC Supports RAP:

- Students want to see immediate application of theory
- Need for relevancy and context
- Simulates real-world technology issues
- Teachers ask for this technology and this training
- Students understand (and want) to learn about robotics
- We need a highly trained technical workforce
- Added benefit: Our mentors state that it improves their job performance



## FIRST® LEGO® League

- Sponsor and run the Mississippi Championship Tournament
- Provide judges at FLL World Festival
- Provide teacher professional development
- Assist teams and provide mentors

